

Summary Report

Summary Report 55014/1

Issue No: 2

Date of issue: 04 August 2014

This Summary Report confirms that

BSRIA Limited

Has tested a sample of the product described below in accordance with the test methods contained within EN 13181 : 2001 and have determined the item met the detailed classification shown on pages 3 and 4 of this Summary Report.

For further details see Page 2 of this Summary Report

Manufacturer/Agent	Beta Industrial L.L.C. P.O. Box 50708 Dubai UAE
Product	STLC
Test location	BSRIA Old Bracknell West Bracknell Berkshire RG12 7AH
Date of test	8 – 11 April 2011
Test engineer	A Freeth
Quality approved	Mark Roper Principal Test Engineer

TEST ITEM INFORMATION

Contract	55014	
Date	13 April 2011	
Manufacturer	Beta Industrial LLC	
Louvre Model	STLC	
Sand type	Standard test sand	
Material	Aluminium	
Painted	Yes (white)	
Blade Height	960	mm
Blade Width	960	mm
Blade Depth	25 (front)	mm
Frame Depth	100	mm
No.of Blades	6	
Blade Pitch	150	mm
No.of Banks	2	
Guard Type	Bird/Vermin	
Guard Spacing	No spacing	
Side Channels	No	
Catchment Tray	Yes	
Blade Orientation	Vertical	



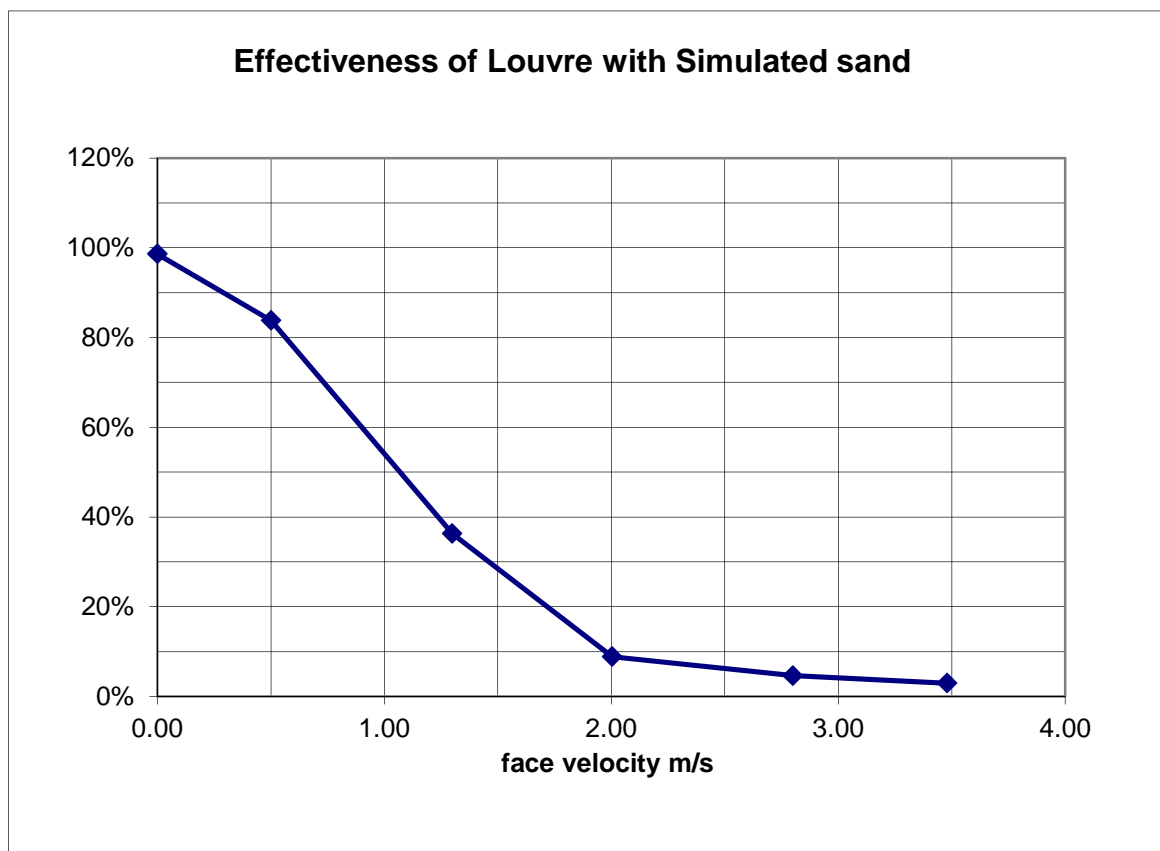
SAND REJECTION

MANUFACTURER Beta Industrial
 MODEL STLC

Date 08/04/2011
 Contract 55014A1

louvre height 960 mm
 louvre width 960 mm
 louvre area 0.922 m²

VENTILATION RATE		SAND MASS		Effectiveness
Volume m ³ /s	Velocity m/s	Injected Kg	Rejected Kg	
0.00	0.00	1.00	0.99	98.6%
0.46	0.50	1.00	0.84	83.8%
1.20	1.30	1.00	0.36	36.3%
1.85	2.00	2.00	0.18	8.9%
2.58	2.80	2.00	0.09	4.6%
3.21	3.48	2.00	0.06	2.9%



MANUFACTURER Beta Industrial
 MODEL STLC

Date 08/04/2011
 Contract 55014A1

air temperature 16.7 °C louvre height 960.00 mm
 barometer 1017 mbar louvre width 960.00 mm
 air density 1.22 kg/m³ louvre area 0.92 m²

louvre pd Pascals	louvre face velocity	air flow rate		coefficient C _e
	m/s	test m ³ /s	theoretical m ³ /s	
743.0	3.45	3.18	32.20	0.099
656.0	3.23	2.98	30.25	0.098
563.0	3.00	2.77	28.03	0.099
475.0	2.75	2.54	25.74	0.099
376.0	2.46	2.26	22.90	0.099
291.0	2.15	1.98	20.15	0.098
193.0	1.77	1.63	16.41	0.099
102.0	1.30	1.20	11.93	0.100
mean C _e				0.099
Class				4

